

2/13 #4



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/902,759

DATE: 02/19/2002
TIME: 11:54:57

Input Set : D:\CRF sequence listing.txt
Output Set: N:\CRF3\02192002\I902759.raw

3 <110> APPLICANT: Genentech, Inc.
 4 Ashkenazi, Avi
 5 Botstein, David
 6 Desnoyers, Luc
 7 Eaton, Dan L.
 8 Ferrara, Napoleone
 9 Filvaroff, Ellen
 10 Fong, Sherman
 11 Gao, Wei-Qiang
 12 Gerber, Hanspeter
 13 Gerritsen, Mary E.
 14 Goddard, A.
 15 Godowski, Paul J.
 16 Grimaldi, Christopher J.
 17 Gurney, Austin L.
 18 Hillan, Kenneth, J.
 19 Kljavin, Ivar J.
 20 Mather, Jennie P.
 21 Pan, James
 22 Paoni, Nicholas F.
 23 Roy, Margaret Ann
 24 Stewart, Timothy A.
 25 Tumas, Daniel
 26 Williams, P. Mickey
 27 Wood, William, I.
 29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 30 Acids Encoding the Same
 32 <130> FILE REFERENCE: 10466-14
 C--> 34 <140> CURRENT APPLICATION NUMBER: US/09/902,759
 C--> 35 <141> CURRENT FILING DATE: 2001-07-10
 37 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
 38 <151> PRIOR FILING DATE: 2000-02-22
 40 <150> PRIOR APPLICATION NUMBER: US 60/143,048
 41 <151> PRIOR FILING DATE: 1999-07-07
 43 <150> PRIOR APPLICATION NUMBER: US 60/145,698
 44 <151> PRIOR FILING DATE: 1999-07-26
 46 <150> PRIOR APPLICATION NUMBER: US 60/146,222
 47 <151> PRIOR FILING DATE: 1999-07-28
 49 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
 50 <151> PRIOR FILING DATE: 1999-09-08
 52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
 53 <151> PRIOR FILING DATE: 1999-09-13
 55 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090

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Input Set : D:\CRF sequence listing.txt
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56 <151> PRIOR FILING DATE: 1999-09-15
58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547
59 <151> PRIOR FILING DATE: 1999-09-15
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089
62 <151> PRIOR FILING DATE: 1999-10-05
64 <150> PRIOR APPLICATION NUMBER: PCT/US99/28214
65 <151> PRIOR FILING DATE: 1999-11-29
67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
68 <151> PRIOR FILING DATE: 1999-11-30
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564
71 <151> PRIOR FILING DATE: 1999-12-02
73 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565
74 <151> PRIOR FILING DATE: 1999-12-02
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
77 <151> PRIOR FILING DATE: 1999-12-16
79 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911
80 <151> PRIOR FILING DATE: 1999-12-20
82 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999
83 <151> PRIOR FILING DATE: 1999-12-20
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/00219
85 <151> PRIOR FILING DATE: 2000-01-05
87 <160> NUMBER OF SEQ ID NOS: 423
90 <210> SEQ ID NO: 1
91 <211> LENGTH: 1825
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 1
96 actgcacctc ggttctatcg attgaattcc cggggatcc tctagagatc cctgacac 60
97 gaccacgcg tccgggcccgg agcagcacgg ccgcaggacc tggagctccg gctgcgtctt 120
98 cccgcagcgc tacccgccccat ggcgcctgcgg cgccggggccg cgctggggctt cctggccgtt 180
99 ctgctgctgc tgccgcggccgc gcccggaggcc gccaagaagc cgacgcctt ccaccgggtc 240
100 cgggggctgg tggacaagtt taaccagggg atggtgaca cgcacaagaa gaactttggc 300
101 ggccggaaaca cggcttggga gaaaaagacg ctgtccaagt acgagtcacg cgagattcgc 360
102 ctgctggaga tcctggaggg gctgtgcgag agcagcact tcgaatgca tcagatgtca 420
103 gaggcgcagg aggagcacct ggaggcctgg tggctgcgc tgaagagcga atatcctgac 480
104 ttattcgagt ggtttgtgt gaagacactg aaagtgtgt gctctccagg aacctacgg 540
105 cccgactgtc tcgcacatgcca gggcgatcc cagaggccct gcagcgggaa tggccactgc 600
106 agcggagatg ggagcagaca gggcgcacggg tcctggcggt gccacatggg gtaccagggc 660
107 cccgctgtgca ctgactgcacat ggacggctac ttcaagtcgc tccggaaacga gaccacagc 720
108 atctgcacag cctgtgcacga gtctgcgaag acgtgtcggt gcctgaccaa cagagactgc 780
109 ggccgagtgtg aagtggctg ggtgtggac gagggcgct gtgtggatgt ggacgagtgt 840
110 gcggccgagc cgcctccctg cagcgctgcg cagttctgtt agaacgccaa cggctccatc 900
111 acgtgcgaag agtgtgactc cagctgtgtt ggctgcacag gggaaaggccc agggaaactgt 960
112 aaagagtgtt aatctggatc cgcgaggggag cacggacagt gtgcagatgtt ggacgagtgc 1020
113 tcacttagcag aaaaaacctg tggaggaaa aacgaaaaact gctacaatac tccaggagc 1080
114 tacgtctgtg tggctgcacat ggcttcgaa gaaacggaaat atgcctgtgtt gcccggca 1140
115 gaggctgaag ccacagaagg agaaagcccg acacagtc cctccggca agacctgtaa 1200
116 tggccggac ttacccttta aattatttcg aaggatgtcc cgtggaaaat gtggccctga 1260
117 ggatgccgtc tcctgcgtt gacagcggcg gggagaggct gcctgcttc taacgggttga 1320

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118 ttctcatttg tcccttaaac agctgcattt cttgggtgtt cttaaacaga cttgtatatt 1380
 119 ttgatacagt tctttgtaat aaaattgacc atttaggtt atcaggagga aaaaaaaaaa 1440
 120 aaaaaaaaaa aaaggccgc cgcaactcta gagtcgaccc gcagaagctt gccgcgcatt 1500
 121 gccaacttg tttatgcag ttataatgg ttacaaataa agcaatagca tcacaattt 1560
 122 cacaataaa gcattttt cactgcattc tagtgtggt ttgtccaaac tcataatgt 1620
 123 atcttatcat gtctggatcg ggaattaatt cggcgcagca ccatggcctg aaataacctc 1680
 124 tgaaagagga acttggtagt gtacattctg aggccgaaag aaccagctgt ggaatgtgt 1740
 125 tcagtttaggg tgtggaaagt ccccaggctc cccagcaggc agaagtatgc aagcatgcat 1800
 126 ctcaattagt cagcaaccca gtttt 1825
 128 <210> SEQ ID NO: 2
 129 <211> LENGTH: 353
 130 <212> TYPE: PRT
 131 <213> ORGANISM: Homo sapiens
 133 <400> SEQUENCE: 2
 134 Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu Leu
 135 1 5 10 15
 137 Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro Cys His
 138 20 25 30
 140 Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr
 141 35 40 45
 143 Ala Lys Lys Asn Phe Gly Gly Asn Thr Ala Trp Glu Glu Lys Thr
 144 50 55 60
 146 Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu
 147 65 70 75 80
 149 Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys Asn Gln Met Leu Glu Ala
 150 85 90 95
 152 Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr
 153 100 105 110
 155 Pro Asp Leu Phe Glu Trp Phe Cys Val Lys Thr Leu Lys Val Cys Cys
 156 115 120 125
 158 Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser
 159 130 135 140
 161 Gln Arg Pro Cys Ser Gly Asn Gly His Cys Ser Gly Asp Gly Ser Arg
 162 145 150 155 160
 164 Gln Gly Asp Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu
 165 165 170 175
 167 Cys Thr Asp Cys Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr
 168 180 185 190
 170 His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly
 171 195 200 205
 173 Leu Thr Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp
 174 210 215 220
 176 Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
 177 225 230 235 240
 179 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys
 180 245 250 255
 182 Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly Pro Gly
 183 260 265 270
 185 Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gln Cys

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Input Set : D:\CRF sequence listing.txt
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186 275 280 285
188 Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr Cys Val Arg Lys
189 290 295 300
191 Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro
192 305 310 315 320
194 Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys Val Pro Pro Ala Glu Ala
195 325 330 335
197 Glu Ala Thr Glu Gly Glu Ser Pro Thr Gln Leu Pro Ser Arg Glu Asp
198 340 345 350

200 Leu

203 <210> SEQ ID NO: 3

204 <211> LENGTH: 2206

205 <212> TYPE: DNA

206 <213> ORGANISM: Homo sapiens

208 <400> SEQUENCE: 3

209 caggcAACAC tgcacCTCGG ttctatcgat tgaattcccc ggggatcctc tagagatccc 60
210 tcgacCTCGA cccacgcgtc cggcaggccg ggaggcgacg cgcccagccg tctaaacggg 120
211 aacagCCCTG gctgagggag ctgcagcgca gcagagtatc tgacggcgcc aggttgcgt 180
212 ggtgcggcac gaggagttt cccggcagcg aggaggctt gagcagcatg gcccggagga 240
213 gcccTTCCC tgccgcccgc ctctggctt ggagcatcct cctgtgcctg ctggcactgc 300
214 gggcggaggc cggggccccc caggaggaga gcctgtaccc atggatcgat gctcaccagg 360
215 caagagtact cataggattt gaagaagata tcctgattt ttcagagggg aaaatggcac 420
216 cttttacaca tgatttcaga aaagcgAAC agagaatgcc agctattcct gtcaatatcc 480
217 attccatgaa ttttacctgg caagctgcag ggcaggcaga atacttctat gaattcctgt 540
218 ccttgcgtc cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
219 gaacagtgcc tcacaaggca tcagttgtt aagttggaa cccatgtctt ggaaaacagg 660
220 atggggtggc agcatttgc aatggatgtt ttgttatgaa ttctgaaggc aacaccattc 720
221 tccaaacacc tcaaaatgtc atcttcttta aaacatgtca acaagctgag tgcccaggcg 780
222 ggtgcggaaa tggaggctt tggatgaaa gacgcattgtg cagatgtcc 840
223 acggacctca ctgtgagaaa gcccTTGTA ccccacgtat tatgaatggg ggactttgtg 900
224 tgactcctgg tttctgcattc tgcccacctg gattctatgg agtgaactgt gacaaagcaa 960
225 actgctcaac cacctgctt aatggagggc cctgtttcta ccctggaaaa tgtatttgcc 1020
226 ctccaggact agagggagag cagtgtgaaa tcagcaaattt cccacaaccc tgcgaaatg 1080
227 gaggttaatg cattggtaaa agcaaattgtt agtgttccaa aggttaccatgg ggagacctct 1140
228 gttcaaaAGCC tgcgtcgag cttggctgtt gtgcacatgg aacctgcattt gaaaccaaca 1200
229 aatgccaatg tcaagaaggt tggcatggaa gacactgcaaa taaaaggtaa gaagccagcc 1260
230 tcatacatgc cctggaggcca gcaggcgccc agctcaggca gcacacgcct tcactaaaa 1320
231 aggccgagga gcggcgggat ccacctgaat ccaattacat ctggtaact ccgacatctg 1380
232 aaacgtttta agttacacca agttcatagc ctttggtaac ctttcatgtt ttgaatgtt 1440
233 aaataatgtt cattacactt aagaataactg gcctgaattt tattagcttc attataaaatc 1500
234 actgagctga tatttactt tccttttaag ttttctaattt acgtctgtat catgtggta 1560
235 tagattttct tggatgttgc tttgggaca gattttatattat tatgtcaattt gatcaggta 1620
236 aaattttcaag tggatgttgc tggatattt tcaaaaattt aatgcattt tggatgttgc 1680
237 gggcaggggaa acatcagaaaa gttaaattt ggaaaaatg cgtaagtac aagaatttgg 1740
238 atgggtcagt taatgttgc gttacagcat ttcagatattt attgtcagat atttagatgt 1800
239 ttgttacatt tttaaaaattt gctcttaatt tttaaaactctt caataacaata tattttgacc 1860
240 ttaccattat tccagagatt cagtattttt aaaaaaaaaa ttacactgtt gtagtggcat 1920
241 tttaaacaata taatataattc taaacacaat gaaataggga atataatgtt tgaactttt 1980
242 gcattggctt gaagcaatattt aatataattttt aaacaaaaca cagctcttac ctaataaaaca 2040

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Input Set : D:\CRF sequence listing.txt
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243 ttttatactg tttgtatgta taaaataaaag gtgctgctt agtttttgg aaaaaaaaaa 2100
244 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag tcgacctgca 2160
245 gaagcttggc cgccatggcc caacttgtt attgcagctt ataatg 2206
247 <210> SEQ ID NO: 4
248 <211> LENGTH: 379
249 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 4
253 Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
254 1 5 10 15
256 Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
257 20 25 30
259 Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
260 35 40 45
262 Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
263 50 55 60
265 Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
266 65 70 75 80
268 Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
269 85 90 95
271 Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
272 100 105 110
274 Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
275 115 120 125
277 His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
278 130 135 140
280 Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
281 145 150 155 160
283 Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
284 165 170 175
286 Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
287 180 185 190
289 Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
290 195 200 205
292 Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
293 210 215 220
295 Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
296 225 230 235 240
298 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
299 245 250 255
301 Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly Glu Gln
302 260 265 270
304 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
305 275 280 285
307 Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr Gln Gly Asp Leu
308 290 295 300
310 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
311 305 310 315 320
313 His Glu Pro Asn Lys Cys Gln Cys Glu Gly Trp His Gly Arg His

→ Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/902,759

DATE: 02/19/2002
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Input Set : D:\CRF sequence listing.txt
Output Set: N:\CRF3\02192002\I902759.raw

L:34 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:3591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:4045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:5349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:5484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:6545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206